

United States Patent [19]

Eventoff

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[54] DIGITIZER PAD

[75] Inventor: Franklin N. Eventoff, Los Angeles, Calif.

[73] Assignee: Interlink Electronics, Inc.,
Carpenteria, Calif.

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Related U.S. Application Data

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[58] Field of Search 338/99, 114, 100, 69;
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712, 825.89

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Primary Examiner—E. A. Goldberg

Assistant Examiner—Marvin M. Lateef

Attorney, Agent, or Firm—Nilsson, Robbins, Dalgarn,
Berliner, Carson & Wurst

[57] ABSTRACT

A digitizer pad includes at least two base plys, each having thereon at least three terminals, a resistor ply disposed between two of the terminals with a plurality of conductors extending from each resistor ply which are spaced apart and interleaved with a plurality of conductors extending from each third terminal. The respective base plys' conducting surfaces face each other and are sandwiched about a nonconductive ply that includes a pressure sensitive conductive layer on each side, the area of which layer covers a portion of the area encompassed by the interleaved conductors on each base ply. The resistor plys and conductors on each base ply are at predetermined angles to those on the base ply, hence the conductors of each base ply form two predefined axes. A voltage source is sequentially coupled, by suitable switching means, across a selected pair of terminals on each ply to measure the selected location along the parameter dimension defined by the terminals across which the voltage source is coupled. Hence, the spatial location of a force applied to the digitizer pad along any one or more axes in a plane is determinable as well as the magnitude of the force applied generally perpendicular to that plane.

2 Claims, 6 Drawing Sheets

